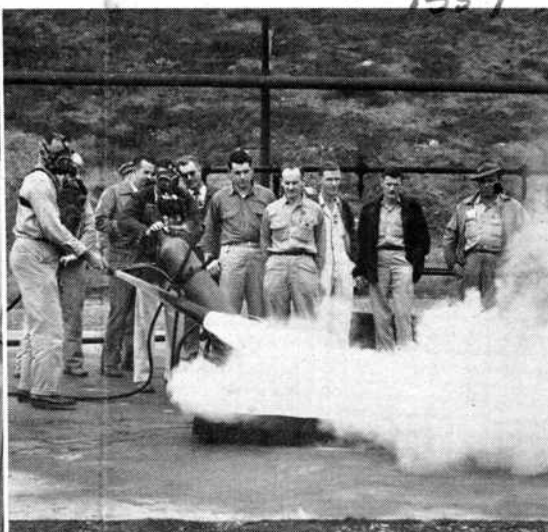




AT TOP LEFT, CAPT. W. R. MCGILL, Y-12 FIRE DEPARTMENT, instructs a group in the use of a CO2 fire extinguisher. Reading down on the left side of the table are D. H. Rader, Y-12 Plant Shift Superintendent; W. T. Loving, Field Maintenance; G. E. Mills, ANP Division of Oak Ridge National Laboratory; R. E. Dial, ANP; and V. D. Sherrod, General Machine Shop. Seated at right are H. N. Benninghoff, Relief Shift Superintendent; M. H. Laney, Buildings and Grounds; O. O. Matlock, Research Services; C. E. Prather, ORNL Analytical Chemistry Division; E. C. Sienknecht, ORNL Photographic Division. Standing are R. D. Partin,



ORNL Health Physics; T. L. Gregory, ANP; and R. L. Martin, Buildings and Grounds. The top center picture shows Gregory and Mills, protected by Chemox gas masks, spraying a CO2 extinguisher on a liquid fire as others of the group look on. At right above, Sienknecht and Dial, front; with Prather and Matlock in rear, simulate carrying an injured person for treatment. The "patient" is Parten. The lower right picture shows Parten receiving artificial respiration through the Holger-Nielsen method given by Gregory and Mills.



Off-Job Accidents Involving Y-12ers In 1954 Five Times Greater Than Mishaps In Plant

Two Deaths Occur Among 43 Traffic Accidents Last Year As Compared To 28 Preceding Year

Proving again that working inside the Y-12 Plant Area is far safer than activities away from the plant, statistic from the Safety Department show that off-the-job accidents befalling Y-12ers were five times as many than disabling mishaps at work. The cold figures reveal that during 1954 there were 83 accidents involving Y-12ers that caused loss of time from work as compared to only 16 on the job—with two of them resulting fatally.

Y-12's Safety Aided UCC Establish Record

Congratulations Given For Fine Mark Here

The fine safety records established in the Y-12 Plant during 1954 when four Carbide Safety Periods of more than 1,500,000 hours of plant operations were worked without a lost time accident, greatly aided Union Carbide and Carbon Corporation set up its all-time record for 1954. The UCC mark is far ahead of the average for United States industry as a whole.

The compliment to safety-minded Y-12ers came from A. F. Tyra, of the Safety Division of the Industrial Relations Department of UCC in Cleveland, Ohio. In a letter to Y-12 Plant Superintendent J. P. Murray he congratulated all Y-12ers for the splendid safety achievements here last year and hopes that in 1955 an even better record will be established.

Tyra advised that in recognition of establishing the 13th Carbide Safety Period in the plant since Carbide took over operations in May, 1947, another bronze safety bar is being prepared for presentation to Y-12 employees. It will be attached to the plaque and safety service bars previously awarded the plant.

Probably the most alarming disclosure in the off-the-job accidents during 1954 is the increase in automobile mishaps. There were 43 such accidents—with two deaths—in 1954. During 1953 one death was included among only 28 traffic accidents involving Y-12 employees.

Home accidents for Y-12ers in 1954 were only 12 as compared to 14 the previous year, but only 129 days of working time were lost last year and 175 in 1953.

Recreation and sports accidents, not including organized plant recreational activities, in 1954 amounted to seven with 106 days of time lost. In 1953 there were six such mishaps, including one death from a pleasure airplane ride when the aircraft crashed. Including the arbitrary figures of 6,000 days lost for each fatality, the lost time in 1953 amounted to 6,047.

Miscellaneous accidents during 1954 for Y-12ers in off-the-job activities amounted to 21 as against only 12 the preceding year. In 1954 215 days of time were lost and only 106 in 1953, with 1954 showing almost 100 per cent increase over 1953.

Reverting to those automobile accident figures, Safety Department statistics show that the 1954 loss of time from work caused by these mishaps was 12,773 compared to 6,628 in 1953; bearing in

Continued on Page 4

SAFETY SCOREBOARD

The Y-12 Plant Has Operated
26 Days Or
901,056 Hours
(Unofficial Estimate)
Without A Lost Time Accident
Through February 6

Y-12 Girls Club Valentine Fete To Provide Fun

Lots of fun is being looked forward to by the throng of Y-12ers expected to attend the Valentine bingo party and dance to be staged Friday night of this week, February 11, by the Y-12 Girls Club. The festivities are to be at the Eagles Club hall in West Village, beginning at 8 p.m. The entire profits go to the March of Dimes polio fund campaign.

During the past several days club members have been scurrying around to assemble quite a collection of attractive prizes for the bingo winners. The bingo playing will start off the night's program and last for about two hours.

Following the bingo party there will be dancing. The club has had a collection of the finest dance records available contributed for the occasion.

Burns To Chemical Operator Cause Lost Time Accident

Burns sustained by a chemical operator in Beta Two on January 11 developed into a lost time accident when the employee was forced to the Oak Ridge Hospital for skin grafting surgery, the Safety Department has reported. At the time of the mishap, the employee was turning a valve when a connection broke, causing him to be sprayed with caustic, the report said. The man suffered second degree burns on his left leg, necessitating the surgery. Other less serious burns also were inflicted.

FUTURE FREAKS FEARED

The United Press quotes Dr. A. H. Sturtevant, geneticist at the California Institute of Technology, as fearing irradiation from atomic and hydrogen bombs already set off may cause many human freaks in future generations.

Emergency Squads Training Cuts Hazards

Fire Fighting, Masks, First Aid Is Stressed

Chances of a major emergency—such as a devastating fire or major explosion—gaining any appreciable headway in the Y-12 Plant Area have been reduced to a minimum through the training program of emergency squads throughout the plant during the past several months. With stress laid on Fire Fighting, use of Chemox gas masks and First Aid—the objective of this training is to have well-instructed employees in every building in the Y-12 Plant Area able to cope with any emergency that might arise.

Approximately 500 Instructed

So far approximately 500 Y-12ers and other Carbide employees in the Y-12 Plant Area have received this vital "what-to-do" training. As a result trained groups in every building have been formed with the responsibility of going into action at the first sounding of an alarm. By their prompt action minor fires, explosions or other mishaps that could become major emergencies if not given immediate attention should in almost every case be overcome to save not only property but even more important—possibly lives as well.

Of course, if indications point to an apparent minor emergency getting out of control, the Fire Department is notified at once, and, if necessary, emergency squads

Continued on Page 4

TASTY DISHES OFFERED ON SPECIAL LUNCHES AT Y-12 CAFETERIA

Tasty entrees are being offered on the 50-cent Special Lunches at the Y-12 Cafeteria to be served tomorrow, Thursday, February 10, and next Tuesday, February 15. The main dish tomorrow will be Spanish rice and meat balls in casserole while next Tuesday corn beef hash will be the entree. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.



Damaged 'Take Home' Badge Renewal Urged

Clearance And Pass Office Provides Service

Y-12 employees with damaged "take home" badges may immediately obtain a replacement for them merely through a telephone call to the Clearance and Pass Office, 7283. Prompt replacement of badges that are split, warped, having broken catches or otherwise damaged in such a manner as to make them easy to lose or so that they are not immediately identifiable is urged of every Y-12er as the correct wearing of proper badges is one of the most important security measures in the plant.

Employees wishing replacement badges for those that are damaged will give information to the Clearance and Pass Office as to their name, badge number, department number as well as name and plant building number of the employee's immediate supervisor.

After the replacement badge is made it will be mailed to the supervisor of the employee requesting the badge. The employee will sign a receipt for the new badge and turn over the old badge to the supervisor, who in turn will mail both to the Clearance and Pass Office, Bldg. 9704-2.

ATOMS SAVE MANY LIVES

Such has been the increasing use of radioactivity in the field of medicine that it is estimated that more lives have been saved by the atom today than were destroyed in the Hiroshima and Nagasaki bomb blasts.

The Bulletin

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GEORGE W. DOBBS . . . Editor

OFFICE
Bldg. 9704-2 Room 223
Telephone 7753

Y-12er Is Production Man For Playhouse

Bremen Designed Stage For Play "Mr. Roberts"

The revolving stage depicting the Navy cargo ship in the Community Playhouse presentation of "Mr. Roberts," slated for Thursday, Friday and Saturday nights of this week, was constructed and produced by a Y-12er, Phillip Bremen, of Chemical and Industrial Engineering. He is production manager for all Playhouse productions this season.

"Mr. Roberts," a salty comedy about Navy life in the Pacific during World War II, will be staged at the Jefferson High School auditorium. Curtain time is 8:20 p.m.

Among the cast in "Mr. Roberts" will be Bob Wilder, of the Alloy Division. He is cast as a sailor who cannot find his battle station on the drab cargo ship. The title role is played by Charley Blake, a former Y-12er now with Oak Ridge National Laboratory in the Y-12 Plant Area. Other Carbide employees in the Y-12 Area cast in the show include Clyde Claiborn, Fred Manneschmidt, Dan Billen, Jim Muir, Dick Greeley, Milton Edlund and Irvin Spievak. The lone female role in the play, a nurse, is acted by Miss Pat Ravage, a former Y-12er.

Chorus Concert Set Next Wednesday Night

The Oak Ridge Community Chorus will present its second concert of the 1954-1955 season next Wednesday night, February 16, in the Oak Ridge civic auditorium at the high school. Curtain time is 8:15 p.m. Bert Schappel, of Chemical and Industrial Engineering, is among the Y-12ers singing with the group.

The first part of the concert program next week will be a musical anthology from 1,000 B.C. to the present. Another feature will be the Phi Sigma Kappa fraternity singers from the University of Tennessee who will appear with a choral group from the Alpha Delta Pi sorority as guests of the Oak Ridge Chorus. The latter part of the program will consist of popular numbers from musical shows.

Admission to the concert will be by Oak Ridge Civic Music Association tickets, or tickets may be purchased at the door on the night of the concert.

10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service within the next few days—

Fred R. Sexton, Beta Two, January 12.

James T. Creasman, General Machine Shop, February 13.

Lucille G. Wakefield, Janitors, February 14.

William S. Caruthers, Electrical Maintenance, February 15.



One gay young Y-12 blade was chatting with another about the date he had on one of those beautiful moonlight nights.

"We parked up by the Overlook," he related, "and she said 'I'd just melt in your arms if you would put this top down' and do you know it took me two hours."

"Two hours!" sniffed Gay Blade No. 2, "why I can lower mine in two minutes."

"Yeah," moaned G.B. No. 1, "but you've got a convertible."

ALLOY

Ooops, sorry, the Colyum Conductor got his grandpops mixed up last week—it was J. P. Wood, not J. P. Ward, who became a grandfather on the birth of Elizabeth Leah Halstead . . . The division extended a hearty "hello" to Phillip Higgs, new co-op from Virginia Polytechnic Institute . . . Vacationers nearby are E. V. Kidwell up at LaFollette and K. L. Elkins at Lake City.

Beta Two folks are rejoicing with George McMahon over the birth of a new son—Kenneth King, who arrived January 29.

CHEMICAL

Robert J. McAlister, Chemical, joined the Proud Pops of Y-12 Club January 29 when R. J. McA., Jr., put in his appearance January 31 at the Oak Ridge Hospital.

INDUSTRIAL RELATIONS

Chief Chef Jesse Durrett was unable to perform duties at the Cafeteria last week because of a misery—folks hope he will be back soon . . . Dixie Bryant has eyes popping at that new diamond ring she is flashing around—she and Bill Cunningham, of K-25, are to be wed May 29, the report goes.

P. C. Goins, Guard Department, is off vacationing somewhere this week.

Fire Department buddies of C. W. Cook deny that they are framing up to serve him very dry toast or shredded wheat—the poor feller had his tonsils out last week . . . The banking aura has hung over the department the past few days—Cap'n W. R. Gill has that "leave your right arm as security" look as chairman of the Credit Union credit committee and Chief W. O. Elam soon may be carrying a brief case as publicist for the same organization.

Another tonsillectomy patient last week was Evelyn Farris, of the Insurance Department . . . Arnold Tiller was expected back the first of this week following that famous operation on his arm.

Employment sent get-well wishes to Louise Gardipee, out ill last week.

MAINTENANCE

Field Maintenance reports Lonnie Wright vacationing this week—but didn't know where.

Sarah Corum, of the Laundry, got a flock of rapid-recovery wishes during her illness last week.

Beta Two Maintenance has J. L. Bright on vacation . . . Get-well wishes were rushed to the sister of F. E. Daniels, who is seriously ill in the Baptist Hospital in Knoxville . . . J. P. Jones has purchased a new home over Kingston way and is planning to really fling a whing-ding housewarming for the department.

Electrical Maintenance warmly greeted newcomers R. S. Hensley and F. W. Henson last week . . . Various and sundry ailments sidelined V. K. Hobbs, H. G. Bingham, C. R. Eastland, J. Miller and M. V. Yaden last week—all are wished rapid recoveries.

E. R. Wells, Planning and Estimating, welcomed a new son weighing eight pounds, four ounces, born February 1—just missed Ground Hog Day . . . Emma Boyd is vacationing for two weeks

—no other particulars known . . . The department sick list to whom get-well wishes are sent include E. R. Wells, Phyllis Perry, Clyde Brewer and Tom McNamara.

Sad Sack Susie 'lows as how things would be much better if people who drink like a fish would just drink the same thing.

TECHNICAL

Eugene Dusina, Electrical Engineering, was congratulated last week by fellow-engineers over receiving his Tennessee Professional Engineering License—that makes it official . . . He's been a Y-12er since January 26, 1954, three days after getting a Purdue University sheepskin . . . The department sends get-well wishes to the wife of R. L. Brown—she has been ill several days.

Bob Orrison, Chemical and Industrial Engineering, was cigar-passing last week, after the arrival of a new daughter—Leta—at Oak Ridge Hospital.

Mary Sweeden and Nell Miller were newcomers welcomed to Production Analysis last week . . . Pals hope Ann Barton, still out sick, is back soon.

G. B. Anderson, Health Physics, is a vacationer this week.

Mary Alice Cox, ADP Development, was on the sick list last week but is expected back soon—they hope.

SUPERINTENDENTS

D. P. Anderson, of the Plant Shift Superintendent's office, is 'way out in Salt Lake City, Utah, for a vacation-visit with his mother.

MANUFACTURING OFFICE

Property Sales extended sympathy last week to J. K. Faust, whose father-in-law died last week in Ohio . . . Also get-well-in-a-hurry wishes were sent Gwenn Lindsey, ill in the Oak Ridge Hospital.

T. J. Stephens, Plant Records, and his family spent last week end down Georgia way.

Methods Engineering sends get-well wishes to the wife of Harold Ratjen, who is ailing in the Oak Ridge Hospital.

MECHANICAL OPERATIONS

Mel Dickens, D Mechanical Operations, was crowing all over the place last week over the birth of a new daughter, Mary Lynn, born January 31 at Oak Ridge Hospital—Mary Lynn's mother is Peggy Dickens, former Y-12er, and the youngster weighed eight pounds—Pop Dickens, proud of calling 'em right as a sports official, claimed he called the turn on the new arrival being a girl a long time before the happy event—says it would have been right expensive if it hadn't . . . Another new father who would not be put in the shade is J. K. Raper, whose new daughter weighing seven pounds, seven ounces, was born at Athens, Tenn., February 1—named Teresa Lynn . . . The line of new employees formed on the right last week when greetings were given J. C. Anderson, J. K. Powell, R. E. Thornton, C. Holloway, L. G. Fears, R. V. Herrell, R. E. Townsend, W. C. May, Luther Phillips, W. E. Shoopman, L. C. Burnett and D. K. Bristow—Get Acquainted Day was immediately observed. . . . Get-well wishes were sent H. L. Barry, on the ailing list.

The business of greeting new babies also extended to the General Machine Shop where J. Taylor and P. L. Collins joined up in the P.P. of Y-12 C . . . Taylor's progeny was a seven-pound, eight ounce lad born January 30 in Oak Ridge Hospital . . . Collins' newcomer also was a boy born January 27 in the Loudon Hospital and weighing six pounds, five ounces. . . . Condolences were extended



Washington And Lincoln Were Backers Of Principles Of Security To Shield Nation

George Washington, whose birth anniversary is honored this month, was a firm believer in the principles of security. That he diligently and effectively applied security principles is a matter of historical record. It is further borne out by the fact that the colonies became an independent united nation under his leadership.

The anniversary of the birth of another great American leader also occurs during this month of February. Abraham Lincoln believed in the principles of security and applied them with vigor during a period when laxity would have been disastrous.

Practices Fit Emergencies

Throughout the history of the nation, crises have risen which called for security practices tailored to fit the emergency. So far, the precautions taken, although not 100 per cent effective, have been adequate to preserve our way of life.

Never before in the history of the nation has it been faced by a power so ruthless, so unscrupulous, so determined to commit the people of the world to their slavery by any means they can devise. Under these circumstances it is imperative that the principles of security be applied in a vigorous program

P. D. Wirey, whose brother O. R. Wirey died last week in Edinburg, Ind. . . . Charley Johnson vacationed for a few days last week with his mother in Mississippi and then went on to Florida. . . . Another Florida vacationer is C. P. McLemore at Camp Okesime—or someplace like that . . . Sam Simmons is braving the chilly winds up North with a trip to Philadelphia . . . J. R. Belew is also vacationing but didn't say where . . . Get-well wishes go to E. A. Fritts in St. Mary's Hospital in Knoxville and also to C. H. Drummond, also among the ailing.

Atomic war
Has a simple sequel;
All men will
Be cremated equal

With that epitaph the Colyum Conductor will wind up affairs for this week—wishing you many happy returns and all that sorta thing.



which requires the active participation and cooperation of every citizen of the United States, especially of those with whom information, equipment, materials and areas of importance to the defense of our country is entrusted.

Defense Information Important

As most Y-12ers realize, defense information about materials, equipment and areas themselves, are of the utmost importance to the security of the nation. Therefore, close attention by each person to the smallest details of security is urgent in order that our valuable freedoms and cherished traditions, fostered by such men as Washington and jealously guarded and preserved for us by such men as Lincoln, be our heritage.



The following Y-12 employees were patients last week in the Oak Ridge Hospital:

Lucy K. Hatmaker, Timekeeping; G. S. Lindsey, Property Sales; W. H. Hutcheson, SDA Development; W. R. McIntosh, Analytical Development; B. B. Thornton, Stores; Ruth V. Humphreys, Product Processing; Eugene Franklin, Jr., Chemical; Clyde F. Brewer and W. T. McNamara, Planning and Estimating; Billy O. Miller, Beta Two; Jerry Crowe, B Mechanical Operations; Eugene O'Rourke, Research Services.



THIS FINE LARGEMOUTH BASS entered in the Y-12 Annual Fishing Contest for 1955 should be a challenge for other bass fishermen seeking prizes in the event this year. The bass was taken from Big Emory River after a sharp battle by G. C. Lay, B Mechanical Operations.

Y-12 Families Now May Enter Fishing Contest

An important modification in the rules for the Y-12 Annual Fishing Contest for 1955 will be admission of members of the immediate families of Y-12ers in the event. That means a husband or wife of a Y-12er or their children will be eligible for the many fine prizes to be offered winners in the various categories at the end of the year.

Use Regular Blanks

Entries for these families members in the contest may be made on the regular blanks for employees signature line.



Every Y-12 angler has been urged to enter all of his catches in the contest, even if at first the fisherman does not believe his fish is big enough to take a prize. Such action last year cut down the number of entries in some classifications, when the entry of a not-so-large fish might have taken a prize.

General Rules Unchanged

The general rules and classes of fish eligible for the contest are the same this year as last. Competition is waged in largemouth, smallmouth and striped bass, crappie, bream, trout and rough fish (catfish, drum and carp.) It is important that each entry blank be accompanied by a sideview picture of the fish and that the blanks be completely filled out and properly witnessed.

Entry blanks for the 1955 Y-12 Annual Fishing Contest may be obtained at the Y-12 Recreation Office, Room 221, Bldg. 9804-2.

Riflemen Rout Ridge Juniors On Range

Y-12's rifle team scored a two-way victory over the Oak Ridge Juniors on February 3, gaining a 843 to 515 scratch triumph and 864.182 to 582.599 handicap decision. It was the first match of the second half of the season for the Y-12ers in the Oak Ridge Rifle League.

The five top scratch scorers for Y-12 were C. G. Brewster 177, L. E. Hedrick 168, R. E. Miller 167, H. F. Harris 166 and R. L. Vanderpool 165. Handicap leaders were Brewster 194.538, Harris 194.454, Miller 192.163, Vanderpool 191.688, and J. P. Hunt 191.339. S. E. Adams and J. H. Stewart also fired for Y-12.

The Y-12 riflemen will shoot against the Oak Ridge National Laboratory team tomorrow night, Thursday, February 10.

Orsorts Nip Bombers At Wire For 46 to 35 Triumph; Maintenance Wins Pair In League

Sunflowers, C Shift, Owls Also Winners

The Orsorts barely nudged by the B Bombers with a 48-46 win last week to retain their hold on first place in the Y-12 Plant Basketball League. The Maintenance hoopsters of Manager Clyde Carter meanwhile crept up on the leaders by taking a pair of wins, downing the Sunflowers by 59-33 and Beta One 46-35.

Other league action saw the Sunflowers cool off the Hot Shots in a close defensive battle by 29-27 and the C Shift downing the Doodies by 45-26. The Hot Shots were forced to forfeit to the Owls in another scheduled tilt.

Bombers Lose Four-Point Lead

The Bombers had a four-point lead over the Orsorts with 1:40 to go in their battle but deigned to freeze the ball. The alert Orsorts managed to grab the sphere to sneak through for the winning points. Burch and Beasman had 18 points each for the winners but Bill Butturni's 24 tallies for the Bombers was high for the game.

Carter and Malcolm led the Maintenance squad to both of its wins. They tallied 15 and 10 respectively against the Sunflowers and 16 and 12 against Beta One.

Vannoy Held To 10

Bob Morrow got 18 counters and the loop's leading scorer Joe Vannoy 10 in the C Shift triumph over the Doodies. Mills' 10 tallies paced the Sunflowers' close victory over the Hot Shots, whose Jack Foreman had 12.

An abbreviated schedule faces the Plant Leaguers for the next three playing dates, the schedule following:

Wednesday, February 9, Jefferson Junior High School—6:30 p.m. Hot Shots vs Maintenance. 7:30 p.m., Beta One vs Bombers.

Monday, February 14, Robertsville Junior High School—6:30 p.m., Bombers vs C Shift. 7:30 p.m., Owls vs Orsorts.

Wednesday, February 16, Jefferson Junior High School—6:30 p.m., Doodies vs Beta One. 7:30 p.m., Sunflowers vs Bombers.

League standing after games of last Friday night follows:

Team	W	L
Orsorts	4	0
Maintenance	3	1
C Shift	2	1
Owls	2	1
Bombers	1	1
Beta One	1	2
Sunflowers	1	2
Doodies	0	3
Hot Shots	0	4



HERE ARE THE PULCHRITUDINOUS PINWOMEN OF Y-12 CURRENTLY engaged in a hot fight in their defense of the Oak Ridge Women's City League bowling title. From left are Juanita Reed, Capt. Mavis Koons, Dot Park, Betty Whitehorn and Ruby O'Kain.

Keglerettes Of Y-12 Blank Pet Dairy Team To Gain Tie For First Place In City Loop

The Y-12 women's varsity bowling team skimmed the Pet Dairy feminine keglers last Thursday night for a four-point whitewash victory and climbed to a tie for first place in the Oak Ridge Women's City Bowling League. The Atomic Energy Commission girls, who have been leading the loop in a hot race for several weeks, could only rack up three points to their record last week and thereby had to share the lofty perch of first place with the Y-12ers.

The Y-12 keglerettes won the first round of play in the league and have been threatening throughout the second round. This week marks the close of the second round of play.

In the win last week the Y-12 game scores were 690, 762, 740—2192; to 649, 665, 675—1989 for Pet. Ruby O'Kain paced the Y-12ers with 180, 155, 173—508; and was followed by Juanita Reed 122, 183, 134—439; Betty Whitehorn 153, 109, 171—433; Mavis Koons 108, 167, 154—429; and Dot Park 127, 148, 108—383.



ONE OF THE STRONGER COMBINES IN THE Y-12 PLANT BASKETBALL League is the B Bombers, pictured above. Finishing in a deadlock with the Orsorts for the first half of the season title with seven wins and one loss each, these teams will meet in a playoff for the crown on February 17. In front, from left, are D. Owens, J. Baker, Colleen Shotts, manager and captain; S. Frost and M. Crews. In rear are R. Schen, Jim Barker and Bill Butturni. Squad members absent when picture was made were W. Jared, G. Hatmaker and D. Scott.

Blues' Charity Shots Tip Y-12; Robins Beaten

Add the Y-12 Cardinals to the rapidly growing throng of basketballers dead set against the premium free-throw rule injected into the rule book this year. The rule cost them a game against the K-25 Blues last Wednesday night, February 1, when the K-25ites came out on top with a 67-61 decision. Meanwhile, the Robins lost another scrap to the Oak Ridge National Laboratory lassies by 35-30 with the victory virtually assuring the Lab lassies of the city crown.

Hope to Better Marks

Undaunted by their defeats, the Y-12 teams plunge right back into a busy schedule determined to better their so-so records for the season. Here's the schedule for the next week:

Tonight, Wednesday, February 9—7:30 p.m., Cardinals vs Kelso Oil, at Oak Ridge High School.

Monday, February 14—6:30 p.m., Robins vs Atomic Energy Commission. 7:45 p.m., K-25 vs Bell Avenue Baptists. 9 p.m., Kelso Oil vs ORNL, all at Oak Ridge High School. Cardinals vs Bowers at Knoxville at 9 p.m., old Knoxville High School.

Wednesday, February 16—7:30 p.m., Cardinals vs ORNL at Oak Ridge High School.

In that fracas between the Cards and Blues the Y-12ers outscored their foes from the field with 28 field goals to 23. However, the winners tossed in 23 out of 31 charity shots against only five out of 12 for Y-12. Don Wood, for Y-12 was high point man of the game with 23 counters while Lew Fitzgerald got 13. Snow with 22 and Vaden with 18 were tops for K-25. Blues Take Early Lead

The victors grabbed an early lead and with their free-throwing proficiency, held the lead throughout with the exception of the last quarter when the Cards had a 22-21 edge.

That loss by the Robins was the third of the season to ORNL, the two previous defeats being by one-point margins.

The Y-12ers, naturally, were handicapped by the absence of the sharpshooting Ruby O'Kain, but the Labsters were in good form and earned their decision. Mary Foley, a former K-25 luminary, tallied 15 points for the winners and Pat Savage, an ex-Y-12 performer, got seven as did A. Woody. Nell McGinnis with 10 was high for Y-12. Helen Brown and Sue Strange each got seven counters.

The ORNL sextet grabbed a 18-17 half-time lead. The game Robins battled back but couldn't overtake the victors.

Scores by periods of games last week follow:

Robins	2	14	21	30
ORNL	9	18	26	35
Cardinals	17	28	30	61
K-25	19	35	46	67

Duds, UCJV Win Last Volleyball Tilts

The Duds and Uranium Control Junior Varsity teams took victories in the last night of play in the Y-12 Plant Volleyball League February 1. The Fog Heads were victims in each case.

The Duds took the first game by 15-8 but the Fog Heads rallied for the second decision by 15-13. The Duds took the deciding game by 17-15 in the first overtime engagement of the season. The UCJVs took two straight 15-7 and 15-6.

The UCJVs, first half of the season winners, were slated to meet the Bldg. 9212 team, second half winners, in a playoff match for the season's title on Tuesday night on this week at Glenwood School. Following the playoff tilt, an open tournament for all Y-12 volleyball combinations was scheduled.

Y-12 SPORTS

Glass Arms Blank Q Balls In C Loop

The Glass Arm keglers of the C League abruptly halted the upward surge of the Q Balls last week with a whitewash win while in other matches the Deltas tripped the Rusty Five for three points and the Screw Balls bounced the C Shift by the same margin. The League-leading Hot Wires and Hornets did not bowl with the rest of the loop but were slated to stage their engagement over the week end.

The Screw Balls swept the boards in team scoring with an 809 scratch game, 1011 handicap game, 2230 scratch series and 2836 handicap series. These scores were aided by the individual performances of Frank Zupan, who had a 203 scratch game, boosted to 527 with handicap; and Andy Anderson's 622 handicap series. C. Morrow, C Shift, slipped into the act with a 233 scratch game for best of the night.

League standing after bowling on Wednesday night, February 1, follows:

Team	W	L
Hot Wires	14	2
Rusty Five	12	8
Hornets	10 1/2	5 1/2
Q Balls	10	10
Glass Arms	9	11
Deltas	9	11
Screw Balls	6	14
C Shift	5 1/2	14 1/2



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Permit No. 3

ACS Section To Hear Talk By Dr. Frierson

A number of Y-12 members of the East Tennessee Section of the American Chemical Society are expected to hear Dr. W. Joe Frierson address a meeting of the group next Monday night, February 14, in Knoxville. The meeting has been scheduled for the Strong Cafeteria at the University of Tennessee, beginning at 8 p.m.



Dr. Frierson

The subject of Dr. Frierson's talk will be "Paper Chromatography Applied to Inorganic Analysis." The speaker is head of the Chemistry Department of Agnes Scott College, Decatur, Ga., and for the past four summers he has done research work of the applications of paper chromatography to radioactive isotopes at the Oak Ridge National Laboratory as a Research Participant of the Oak Ridge Institute of Nuclear Studies. Dr. Frierson is a native of Batesville, Ark., where he was born July 8, 1907. He received his Ph.D. degree from Cornell University in 1936 after being awarded a B.A. degree from Arkansas College in 1927 and a M.A. degree from Emory University in 1928. He also served as assistant professor at Hampden-Sydney College in Virginia.

He is a past chairman of the Georgia Section of the ACS and at present is councilor for the section.

Wolves Win Second Round In B League

The Wolves took second round honors in the B League of plant bowlers last week with a four-point whitewashing of the Rebels and found the Rippers right on their heels with a similar win over the Wasps. ADP dropped down to third place as they could only take three points from the Bumpers. Other action saw the Cubs crunch the Swingsters, the Tigers claw Bldg. 9211 and the All Stars fall on the Has Beens; each by three points.

Jack Spears, of the Rebels, took most of the individual scoring honors despite his team's defeat. He racked up a 236 scratch game, boosted to 259 with handicap, and a 670 handicap series. Steady Len Hart posted a 614 scratch series for best of the night. The Rippers had a 933 scratch game, 2652 scratch series and 3045 handicap series with the All Stars recording a 1071 handicap game, all tops for the session.

League standing follows:

Team	W	L
Wolves	31	13
Rippers	30	14
ADP	29	15
Bumpers	26	18
Rebels	23	21
Cubs	23	21
Swingsters	21	23
Tigers	21	23
Wasps	17	27
Has Beens	17	27
All Stars	14	30
Bldg. 9211	12	32

Rides Wanted, Offered

Ride Wanted Or Will Join Car Pool—From Norwood section, Knox County, to Bear Creek Portal, straight day. John S. Hurst, plant telephone 7114; home telephone 6-6609, Knoxville.

Want To Join Car Pool—From 102 Chatham Lane, Oak Ridge, to East Portal, straight day. J. E. Livingston, plant telephone 7102, home telephone 5-0388, Oak Ridge.

Riders Wanted—From Wartburg to West Portal, D Shift. Harley Orange, plant telephone 7904.

Riders Wanted—From South or West Knoxville, straight day. Bill Hood, plant telephone 7-8382, home telephone 7-2412, Knoxville.

Rider Wanted—From Washington Pike, Whittle Springs area, Knox County, to East Portal, straight day. O. W. Morris, plant telephone 7993, home telephone 6-9300, Knoxville.

Riders Wanted Or Will Join Car Pool—From Burlington section of Knoxville to West Portal, Relief Shift. W. E. Cagle, plant telephone 7904, home telephone 5-0871, Knoxville.

Off-Form Y-12ers Split With Dairymen

A strong middle game that brought total pinnage to the Broadacre Dairy team in the Oak Ridge City Bowling League gave them an even break with the loop-leading Y-12 pinmen on January 31. The Y-12ers were far off their usual form, being more than 300 pins below their mark of the previous week.

The Y-12 keglers edged out an 841 to 839 win in the first game against the Dairymen, dropped the second by 851 to 822 but rallied to eke out an 837 to 823 win in the finale. Total pinnage was 2513 for Broadacre and 2500 for Y-12. Y-12's best individual score was Ernie Cobble's 195, 189, 149—533; then came Frank Zupan 201, 166, 163—530; Ed Gambill 163, 173, 176—512; Jack Spears 127, 145, 193—464; and Joe Pryson 155, 149, 157—461.

NBC Lassies Swamp Robins By 73-26

Shorthanded and willing, but badly outclassed, the Y-12 Robins journeyed over to Huntsville, Tenn., last Saturday to take a 73 to 26 defeat at the hands of the Nashville Business College lassies. A Huntsville girl playing for NBC, Willa Mae Sharp, tallied 22 points for the winners and Betty Boyette 24. Helen Brown got 13 and Nell McGinnis nine for the Robins.

Riflemen Of Y-12 Fire With Ridgers

Two Y-12 riflemen were on the Oak Ridge team that dropped a close 930 to 922 decision to the University of Tennessee sharpshooters recently in Knoxville. They were R. W. Miller and C. G. Brewster. W. R. Rathkamp, a former Y-12er and one of the best shots in the city, topped the Oak team with a score of 194 out of a possible 200.

Emergency Squads Training Cuts Hazards

Continued from Page 1

from other nearby buildings may be called into action for assistance. Local Emergency Directors, all of whom are first line Supervisors, serve in all buildings to direct the activities of the emergency squads in their particular areas. They also may order evacuation of their building if it is deemed necessary to prevent injuries to other employees or to aid the emergency squads or Fire Department to carry out their assignments.

Basic Training by Fire Department

This important program is the joint responsibility of the Y-12 Plant Shift Superintendent and the Shift Superintendents and Day Supervision of Y-12 personnel and other Carbide employees in the Y-12 Plant Area. The actual basic training is given by the Y-12 Fire Department with the instruction coordinated by the Training Department.

The present schedule in the training program for local emergency squads is just about complete and future instruction in the work will be limited to training of Y-12ers as replacements whenever vacancies occur in the emergency squads. However, Shift Superintendents have been instructed to have Local Emergency Directors to spend from 10 to 20 minutes monthly with their emergency squads as a group to go over the accident and fire hazards that might exist in their areas that could cause an emergency. The objective of these meetings is to keep the emergency squad members alert to their responsibilities.

Three Hours On Each Phase

Three hours of training in each of the program phases—First Aid, Fire Fighting and Gas Mask training—were given every employee participating in the general training program for local emergency squads. Classes were given for all shift workers while the various shifts were working on the 3 p.m. to 11 p.m. period and also for straight day working personnel. The program provided for two 90-minute periods of training in each of the three subjects. Shift Superintendents attended most of the classes to assist in coordinating the work.

So far the number of employees attending each class has averaged 15—sometimes more, sometimes less. It is estimated that about 3,500 man-hours of instruction has been given in the program.

The training program has been so carefully planned that no possibly foreseen condition could arise with which the emergency squads could not cope, except a major emergency requiring the attention of the Fire Department.

Human Anatomy Described

For instance, the First Aid course is launched with talks on the human anatomy, illustrated with charts. On these charts the squad members are given descriptions of characteristics of various joints, muscles and tendons of the body, chest and abdominal cavities and other facts that will aid them in administering first aid.

Thorough instruction and drills are given in artificial respiration for electric shock, gas poisoning, drowning and other asphyxiations. The Holger-Neilson method of artificial respiration is given in the course. Control of bleeding and shock also is described, as is treatment for burns and scalds. Proper methods of transporting injured persons so as not to aggravate their hurts, likewise is described. **Fire Extinguishers Demonstrated**

In Fire Fighting the emergency squad members are given basic instruction into chemistry of fire and its causes as well as methods of extinguishing fires. The various types of fire extinguishers used in Y-12 are described and thorough instruction on their use in different types of fires is given, along with actual demonstrations in the work.

Similar instruction is given in

Y-12 Pistoleers Meet AEC Tonight

The Y-12 pistol team will start the last round of play in the Oak Ridge Winter League against the Atomic Energy Commission gunmen tonight, Wednesday, February 9, at the Oak Ridge Sportsmen's Association range. With two-thirds of the season gone, the Y-12ers are in a hot battle with the Oak Ridge National Laboratory team for first place.

The pistoleers of Y-12 downed the K-25ites in both scratch and handicap firing on January 26 in the team's eighth match of the season. Y-12 posted a 1288 scratch to 1214 for K-25 and topped their opponents by 1450.539 to 1432.851 handicap.

It is not too late in the season for any Y-12er interested in pistol shooting to come out for the team as the experience gained will be valuable when the summer season starts. Anyone interested is asked to communicate with Capt. M. L. Woodard, plant telephone 7272, or the Y-12 Recreation Office, Bldg. 9704-2, telephone 7753.

In the K-25 match the Y-12 scratch scoring was topped by J. C. Ezell with 266, followed by P. H. Williams 264, D. R. Alford 257, T. J. Bush 252 and C. G. Brewster 241. In handicap firing Alford led with 291.873, then came Williams 290.525, J. H. Rowan, 289.643, Bush 289.330, and Ezell 289.168. Others firing for Y-12 were W. R. McIntosh, N. E. Abbott, A. V. Bible, O. C. Beatty, M. L. Woodard, E. Headrick and E. Scott.

Carbide Wives Card Party Set February 16 At Ridge

The Carbide Wives will hold their February meeting next Wednesday night, February 16, in the East Lounge of the Ridge Recreation Hall. The meeting and card party will begin at 7:30 o'clock with Mrs. K. E. Rapp, wife of a K-25 man, as the board member in charge.

Bridge, canasta and bingo will be played and prizes awarded winners. Refreshments also will be served during the party. All wives of Y-12 employees are cordially invited to attend the Carbide Wives meetings, which are held on the third Wednesday night of each month.

the use of the Chemox self-contained breathing apparatus—the technical name of the gas mask used in Y-12. Here again squad members were given talks and drills in wearing of the gas masks and how to assemble the apparatus. Drills also were held on an obstacle course in a gas chamber. **Rescue Tactics Taught**

Particular attention was given to training in the general rescue tactics to use in case of emergency. Of course, the first basic idea is to keep calm. Precautions pointed out to take include such as not rushing into smoke-filled rooms or buildings without picking out a quick means of exit. Squad members also are warned on never touching the bare skin of a person suffering from electric shock but to stand on dry wood whenever possible in effecting a rescue.

Instruction in the emergency squad training program has been given at the Y-12 Fire Department headquarters with the Fire Captain in command of the shift on duty in charge of the instruction. Members of the Fire Department play important roles in the demonstrations and instruction given the emergency squad members in the program planned to get the jump on any emergency—foreseen or unforeseen—and keep it well in bounds.

Love making hasn't changed much in 2,500 years. Greek maidens used to sit and listen to a lyre all evening too.

Drop In Alloys Cuts Union Carbide Sales

Sales of Union Carbide and Carbon Corporation in 1954 were \$923,693,379, compared with \$1,025,833,041 in 1953, Morse G. Dial, president, reported recently in a preliminary statement. The decline of 10 per cent below 1953 was due largely to the lower volume of alloy sales.

Sales in the alloys group were about 26 per cent below a year ago because of the decreased level of operations in the steel industry. Sales of the other product groups were about four per cent below the same period a year ago. However, sales in the alloys, chemicals, and plastics groups during the fourth quarter improved substantially and overall sales are continuing at an annual rate of one billion dollars at this time.

Net income in 1954 was \$89,779,271, or \$3.10 a share on 28,952,794 shares of capital stock outstanding. This compares with net income in 1953 of \$102,783,442, or \$3.55 a share. Income before depreciation, amortization, and Federal income taxes amounted to 29 per cent of sales during 1954, compared with 29.5 per cent during 1953. The charge for depreciation and amortization, however, increased from \$75,351,702 a year ago to \$93,712,849 in 1954.

Off-The-Job Accidents Far More Than In 1953

Continued from Page 1

mind the two deaths in 1954 and only one in 1953.

Including those two fatalities off-the-job in 1954 the total number of days lost from work amounted to 13,223 as compared with only 969 days lost from disabling accidents within the plant.

That sort of indicates it would be advisable for Y-12ers to take some of the safety lessons they learn in the plant away with them when they are off duty.

Argonne Laboratory Speaker On Physics Seminar Program

Dr. D. W. Osborne, of the Argonne National Laboratory, Chicago, Ill., will speak at the weekly meeting of the Oak Ridge Physics Seminar Friday afternoon, February 11. The session will be at 4:15 p.m. in the Oak Ridge Institute of Nuclear Training Building on Administration Road. Dr. Osborne's subject will be "Nuclear Alignment in Liquid Helium 3." Y-12ers interested in the subject are invited to attend the meeting.

Credit Union Statements Available On February 14

All members of the Y-12 Employees Credit Union are asked to obtain their account statements for the last quarter of 1954 from the Credit Union office, ground floor of the Y-12 Cafeteria, beginning next Monday, February 14. The statements will give the condition of each account as of December 31, and also will include addition of the 4.2 per cent dividend declared by the membership for last year. The Credit Union Office is open on Monday, Tuesday and Thursday from 8 a.m. until noon and on Friday from 8 a.m. to 4:30 p.m. It is closed on Wednesday.



"Sparky" says:
**Don't Give Fire
a Place to Start!**

